

AMENDMENTS TO THE CLAIMS

1-19. (Canceled).

20. (Currently Amended) A call set-up system to set-up calls across a plurality of packet-switched networks connected to each other by network address translation (NAT) devices, comprising:

a plurality of call agents configured to

send and receive messages to and from other call agents, the messages including

address information for media packets within the packet-switched networks to define

a media path of the call, and wherein at least one of the messages includes

message including address information sent to a preceding call agent involved in the set-up of the call; and

modify the at least one message by adding address information to, and deleting address information from, the at least one message.

21. (Previously Presented) The call set-up system of claim 20 wherein at least one call agent is configured to scan received messages to determine whether the address information includes address information sent to the preceding call agent.

22. (Previously Presented) The call set-up system of claim 21 wherein each call agent making such determination is configured to format the address information to that of the preceding call agent.

23. (Previously Presented) The call set-up system of claim 22 wherein a media path opened through a NAT device for re-entry to a network is closed.

24. (Previously Presented) The call set-up system of claim 20 wherein one or more of the messages include session descriptions.

25. (Previously Presented) The call set-up system of claim 20 wherein at least one message includes encrypted address information.

26. (Previously Presented) The call set-up system of claim 20 wherein at least one message includes a reference to address information stored within the plurality of packet-switched networks.

27. (Previously Presented) The call set-up system of claim 20 wherein at least one message includes an identifier of a packet-switched network that media packets are to traverse.

28. (Previously Presented) The call set-up system of claim 27 wherein each of the plurality of packet-switched networks has a globally unique identifier.

29. (Previously Presented) The call set-up system of claim 20 wherein the call agents are configured to format the messages according to an offer/answer protocol.

30. (Previously Presented) The call set-up system of claim 29 wherein the offer/answer protocol is Session Initiation Protocol (SIP).

31. (Previously Presented) The call set-up system of claim 30 wherein the address information for media packets is sent to the call agents involved in the call-set up in a stack structure as a multipart attachment to the SIP message.

32. (Previously Presented) The call set-up system of claim 31 wherein if the stack structure includes an entry for the region being entered by the message, the call agent receiving the message is configured to scan the stack structure and to make the oldest matching entry the new session description.

33. (Previously Presented) The call set-up system of claim 32 wherein the call agent receiving the message is further configured to close a pinhole opened in a NAT device associated with the region being entered by the message.

34. (Previously Presented) The call set-up system of claim 32 wherein if the stack structure does not include an entry for the region being left by an answer message, the call agent sending the message is configured to close a pinhole in a NAT device associated with that region.

35. (Previously Presented) The call set-up system of claim 20 wherein the call agents are arranged to control the NAT devices.

36. (Previously Presented) The call set-up system of claim 35 wherein are the call agents are incorporated in the NAT devices.

37. (Previously Presented) The call set-up system of claim 20 wherein at least one of the packet-switched networks comprises a 3G radio network.

38. (Currently Amended) A method of setting up calls across a plurality of packet-switched networks connected to each other by network address translation (NAT) devices using a plurality of call agents, the method comprising:

sending messages to successive call agents, the messages including address information

for media packets within the packet-switched networks associated with the call agents,

to define the media path of the call, ~~wherein~~ at least one message further includes

including address information for media packets sent to preceding call agents involved in

the set-up of the call; and

modifying the at least one message by adding address information to, and deleting address

information from, the at least one message.